CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 6-10

A

Akil, H., 7:223-55 Alexander, G. E., 9:357-81 Allman, J., 8:407-30 Arnold, A. P., 7:413-42 Augustine, G. J., 10:633-93

R

Basbaum, A. I., 7:309–38 Bennett, G. J., 6:381–418 Berg, D. K., 7:149–70 Berger, T. W., 6:447–91 Björklund, A., 7:279–308 Blumberg, S., 9:415–34 Boothe, R., 8:495–545 Breakefield, X. O., 10:535–94 Brownstein, M. J., 7:189–222 Bunge, M. B., 9:305–28 Bunge, R. P., 9:305–28

C

Cambi, F., 10:535-94 Carew, T. J., 9:435-87 Carlsson, A., 10:19-40 Charlton, M. P., 10:633-93 Choe, S., 9:383-413 Cooper, K. E., 10:297-326 Costa, E., 9:277-304 Creese, I., 6:43-71 Crews, D., 8:457-94

D

Damasio, A. R., 7:127-47 DeLong, M. K., 9:357-81 De Souza, E. B., 9:27-59 DeVito, J., 7:43-65 DiScenna, P., 10:131-61 Dobson, V., 8:495-545 Dubner, R., 6:381-418 Du Lac, S., 10:41-65

F

Earnest, J. P., 9:383-413 Edelman, G. M., 7:339-77 Eldridge, C. F., 9:305-28 Esterly, S. D., 10:41-65

F

Fields, H. L., 7:309-38 Foote, S. L., 10:67-95 Friedhoff, A. J., 6:121-48 Fuchs, A. F., 8:307-37

G

Gainer, H., 7:189–222
Gallager, D. W., 8:21–44
Georgopoulos, A. P., 9:147–70
Geschwind, N., 7:127–47
Gilbert, C. D., 6:217–47
Goldin, S. M., 6:419–46
Gorsky, R. A., 7:413–42
Green, J. P., 9:209–54
Greenberg, S. M., 10:459–76
Greenspan, R. J., 7:67–93
Grillner, S., 8:233–61
Grinvald, A., 8:263–305

н

Halpern, M., 10:325-62 Hamblin, M. W., 6:43-71 Hildreth, E. C., 10:477-533 Hudspeth, A. J., 6:187-215

1

Imig, T. J., 6:95-120 Ingle, D., 8:457-94 Iverson, L. E., 9:255-76

J

Jacobson, M., 8:71-102 Jasper, H. H., 6:1-42

K

Kaas, J. H., 6:325-56 Kaissling, K.-E., 9:121-45 Kaldany, R.-R. J., 8:431-55 Kamb, C. A., 9:255-76 Kaneko, C. R. S., 8:307-37 Kennedy, M. B., 6:493-525 Khachaturian, H., 7:223-55 Killackey, H. P., 6:325-56 Knudsen, E. I., 10:41-65 Koch, C., 10:477-533 Konishi, M., 8:125-70 Krystal, J. H., 7:443-78 Kuhar, M. J., 9:27-59

1

Lancet, D., 9:329-55 Leff, S. E., 6:43-71 Lennie, P., 8:547-83 Lewis, M. E., 7:223-55 Lisberger, S. G., 10:97-129 Loh, Y. P., 7:189-222

М

Madden, J. IV, 6:447–91
Marangos, P. J., 10:269–95
Matthews, P. B. C., 5:189–218
Maunsell, J. H. R., 10:363–401
McCarthy, M. P., 9:383–413
McGuinness, E., 8:407–30
McKay, R. D. G., 6:527–46
McKelvy, J. F., 9:415–34
Mcrenich, M. M., 6:325–56
Miezin, F., 8:407–30
Miller, J. C., 6:121–48
Moczydlowski, E. G., 6:419–46
Moody, W. Jr., 7:257–78
Morel, A., 6:95–120
Morris, E. J., 10:97–129
Morrison, J. H., 10:67–95

N

Nambu, J. R., 8:431–55 Nathans, J., 10:163–94 Nathanson, N. M., 10:195–236 Newsome, W. T., 10:195–236 Norgren, R. E., 10:595–632

0

O'Shea, M., 8:171-98

P

Papazian, D. M., 6:419-46 Penney, J. B. Jr., 6:73-94 Poggio, G. F., 7:379-412 Poggio, T., 7:379-412

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 6-10

A

Akil, H., 7:223-55 Alexander, G. E., 9:357-81 Allman, J., 8:407-30 Arnold, A. P., 7:413-42 Augustine, G. J., 10:633-93

R

Basbaum, A. I., 7:309–38 Bennett, G. J., 6:381–418 Berg, D. K., 7:149–70 Berger, T. W., 6:447–91 Björklund, A., 7:279–308 Blumberg, S., 9:415–34 Boothe, R., 8:495–545 Breakefield, X. O., 10:535–94 Brownstein, M. J., 7:189–222 Bunge, M. B., 9:305–28 Bunge, R. P., 9:305–28

C

Cambi, F., 10:535-94 Carew, T. J., 9:435-87 Carlsson, A., 10:19-40 Charlton, M. P., 10:633-93 Choe, S., 9:383-413 Cooper, K. E., 10:297-326 Costa, E., 9:277-304 Creese, I., 6:43-71 Crews, D., 8:457-94

D

Damasio, A. R., 7:127-47 DeLong, M. K., 9:357-81 De Souza, E. B., 9:27-59 DeVito, J., 7:43-65 DiScenna, P., 10:131-61 Dobson, V., 8:495-545 Dubner, R., 6:381-418 Du Lac, S., 10:41-65

F

Earnest, J. P., 9:383-413 Edelman, G. M., 7:339-77 Eldridge, C. F., 9:305-28 Esterly, S. D., 10:41-65

F

Fields, H. L., 7:309-38 Foote, S. L., 10:67-95 Friedhoff, A. J., 6:121-48 Fuchs, A. F., 8:307-37

G

Gainer, H., 7:189–222
Gallager, D. W., 8:21–44
Georgopoulos, A. P., 9:147–70
Geschwind, N., 7:127–47
Gilbert, C. D., 6:217–47
Goldin, S. M., 6:419–46
Gorsky, R. A., 7:413–42
Green, J. P., 9:209–54
Greenberg, S. M., 10:459–76
Greenspan, R. J., 7:67–93
Grillner, S., 8:233–61
Grinvald, A., 8:263–305

н

Halpern, M., 10:325-62 Hamblin, M. W., 6:43-71 Hildreth, E. C., 10:477-533 Hudspeth, A. J., 6:187-215

1

Imig, T. J., 6:95-120 Ingle, D., 8:457-94 Iverson, L. E., 9:255-76

J

Jacobson, M., 8:71-102 Jasper, H. H., 6:1-42

K

Kaas, J. H., 6:325-56 Kaissling, K.-E., 9:121-45 Kaldany, R.-R. J., 8:431-55 Kamb, C. A., 9:255-76 Kaneko, C. R. S., 8:307-37 Kennedy, M. B., 6:493-525 Khachaturian, H., 7:223-55 Killackey, H. P., 6:325-56 Knudsen, E. I., 10:41-65 Koch, C., 10:477-533 Konishi, M., 8:125-70 Krystal, J. H., 7:443-78 Kuhar, M. J., 9:27-59

1

Lancet, D., 9:329-55 Leff, S. E., 6:43-71 Lennie, P., 8:547-83 Lewis, M. E., 7:223-55 Lisberger, S. G., 10:97-129 Loh, Y. P., 7:189-222

М

Madden, J. IV, 6:447–91
Marangos, P. J., 10:269–95
Matthews, P. B. C., 5:189–218
Maunsell, J. H. R., 10:363–401
McCarthy, M. P., 9:383–413
McGuinness, E., 8:407–30
McKay, R. D. G., 6:527–46
McKelvy, J. F., 9:415–34
Mcrenich, M. M., 6:325–56
Miezin, F., 8:407–30
Miller, J. C., 6:121–48
Moczydlowski, E. G., 6:419–46
Moody, W. Jr., 7:257–78
Morel, A., 6:95–120
Morris, E. J., 10:97–129
Morrison, J. H., 10:67–95

N

Nambu, J. R., 8:431–55 Nathans, J., 10:163–94 Nathanson, N. M., 10:195–236 Newsome, W. T., 10:195–236 Norgren, R. E., 10:595–632

0

O'Shea, M., 8:171-98

P

Papazian, D. M., 6:419-46 Penney, J. B. Jr., 6:73-94 Poggio, G. F., 7:379-412 Poggio, T., 7:379-412 Poo, M.-m., 8:369-406 Prell, G. D., 9:209-54 Price, D. L., 9:489-512 Prichard, J. W., 9:61-85

Q

Ouinn, W. G., 7:67-93

R

Raichle, M. E., 6:249–67 Rando, T., 10:237–67 Redmond, D. E. Jr., 7:443–78 Reichardt, L. F., 8:199–232 Role, L., 10:403–457

S

9

Sahley, C. L., 9:435–87 Salkoff, L., 9:255–76 Sawchenko, P. E., 6:269–324 Schaffer, M., 8:171–98 Scharrer, B., 10:1–17 Scheller, R. H., 8:431–55 Schuetze, S. M., 10:403–57 Schwartz, E. A., 8:339–67 Schwartz, J. H., 10:459–76 Schwartz, J. P., 9:277–304 Scudder, C. A., 8:307–37 Shapley, R., 8:547-83 Shatz, C. J., 9:171-207 Shulman, R. G., 9:61-85 Sibley, D. R., 6:43-71 Silverman, A.-J., 6:357-80 Simpson, J. I., 7:13-41 Smith, S. J, 10:633-93 Smith, O. A., 7:43-65 Snyder, S. H., 8:103-24 Sourkes, T. L., 6:1-42 Sretevan, D. W., 9:171-207 Stein, B. E., 7:95-125 Stenevi, U., 7:279-308 Stent, G. S., 8:45-70 Sterling, P., 6:149-85 Strichartz, G. R., 10:237-67 Strick, P. L., 9:357-81 Stroud, R. M., 9:383-413 Stryer, L., 9:87-119 Swanson, L. W., 6:269-324 Szentágothai, J., 7:1-11

T

Tallman, J. F., 8:21–44 Tanouye, M. A., 9:255–76 Teller, D., 8:495–545 Teyler, T. J., 10:131–61 Thompson, R. F., 6:447–91 Travers, J. B., 10:595–632 Travers, S. P., 10:595–632 Truman, J. W., 7:171-88 Tychsen, L., 10:97-129

U

Ullman, S., 9:1-26 Unnerstall, J. R., 9:27-59

V

Valentino, K. L., 8:199-232

W

Walker, J. M., 7:223-55 Wallén, P., 8:233-61 Wang, G. K., 10:237-67 Watson, S. J., 7:223-55 Weisblat, D. A., 8:45-70 Winter, J., 8:199-232 Wise, S. P., 8:1-19

Y

Young, A. B., 6:73–94 Young, E., 7:223–55 Young, E. F., 9:383–413

Z

Zimmerman, E. A., 6:357-80

CHAPTER TITLES, VOLUMES 6-10

AUDITORY SYSTEM		
Organization of the Thalamocortical Auditory		
System in the Cat	T. J. Imig, A. Morel	6:95-120
Mechanoelectrical Transduction by Hair Cells		
in the Acousticolateralis Sensory System	A. J. Hudspeth	6:187-215
AUTONOMIC NERVOUS SYSTEM		
Central Neural Integration for the Control of		
Autonomic Responses Associated with		
Emotion	O. A. Smith, J. L. DeVito	7:43-65
BASAL GANGLIA		
Speculations on the Functional Anatomy of		
Basal Ganglia Disorders	J. B. Penney, Jr., A. B. Young	6:73-94
Parallel Organization of Functionally		
Segregated Circuits Linking Basal Ganglia and Cortex	C E Alexandra M B Dallana	
and Cortex	G. E. Alexander, M. R. DeLong, P. L. Strick	9:357-81
	r. L. Suick	7.337-01
CEREBRAL CORTEX		
Extrathalamic Modulation of Cortical Function	S. L. Foote, J. H. Morrison	10:67-95
CLINICAL NEUROSCIENCE		
Clinical Implications of Receptor Sensitivity		
Modification	A. J. Friedhoff, J. C. Miller	6:121-48
Positron Emission Tomography	M. E. Raichle	6:249-67
The Neural Basis of Language Multiple Mechanisms of Withdrawal from	A. R. Damasio, N. Geschwind	7:127-47
Opioid Drugs	D. E. Redmond, Jr., J. H. Krystal	7:443-78
New Perspectives on Alzheimer's Disease	D. L. Price	9:489-512
The Neurobiology of Fever: Thoughts on		
Recent Developments	K. E. Cooper	10:297-326
Molecular Genetic Insights into Neurologic Diseases	X. O. Breakefield, F. Cambi	10:535-94
Discases	A. O. Bicakericia, F. Califor	10.233-74
COMPUTATIONAL APPROACHES TO NEUROS	CIENCE	
Artificial Intelligence and the Brain:		0.1.01
Computational Studies of the Visual System	S. Ullman	9:1-26
The Analysis of Visual Motion: From Computational Theory to Neuronal		
Mechanisms	E. C. Hildreth, C. Koch	10:477-533
Medianisms	E. C. Imurcui, C. Roeii	10.477-333
DEVELOPMENTAL NEUROBIOLOGY		
New Neuronal Growth Factors	D. K. Berg	7:149-70
Cell Death in Invertebrate Nervous Systems Modulation of Cell Adhesion During	J. W. Truman	7:171–88
Induction, Histogenesis, and Perinatal		
Development of the Nervous System	G. M. Edelman	7:339-77
Cell Lineage in the Development of		
Invertebrate Nervous Systems	G. S. Stent, D. A. Weisblat	8:45-70
Clonal Analysis and Cell Lineages of the		
Vertebrate Central Nervous System	M. Jacobson	8:71-102
HYPOTHALAMUS		
Hypothalamic Integration: Organization of the		
Paraventricular and Supraoptic Nuclei	L. W. Swanson, P. E. Sawchenko	6:269-324
Magnocellular Neurosecretory System	AJ. Silverman, E. A. Zimmerman	6:357-80

ION CHANNELS Isolation and Reconstitution of Neuronal Ion		
Transport Proteins	S. M. Goldin, E. G. Moczydlowski, D. M. Papazian	6:419-46
Effects of Intracellular H ⁺ on the Electrical Properties of Excitable Cells	W. Moody, Jr.	7:257-78
Genetics and Molecular Biology of Ionic Channels in <i>Drosophila</i>	M. A. Tanouye, C. A. Kamb, L. E. Iverson L. Salkoff	9:255–76
LEARNING AND MEMORY		
Cellular Processes of Learning and Memory in the Mammalian CNS	R. F. Thompson, T. W. Berger, J. Madden IV	6:447–91
Learning and Courtship in <i>Drosophila</i> : Two Stories with Mutants	W. G. Quinn, R. J. Greenspan	7:67-93
Invertebrate Learning and Memory: From Behavior to Molecule	T. J. Carew, C. L. Sahley	9:435-87
Long-Term Potentiation Molecular Mechanisms for Memory: Second-Messenger Induced Modifications of	T. J. Teyler, P. DiScenna	10:131-61
Protein Kinases in Nerve Cells	J. H. Schwartz, S. M. Greenberg	10:459-76
MEMBRANE RECEPTORS		
The Classification of Dopamine Receptors: Relationship to Radioligand Binding	I. Creese, D. R. Sibley, M. W. Hamblin, S. E. Leff	6:43-71
MOLECULAR NEUROSCIENCE		
Molecular Biology of Visual Pigments Molecular Properties of the Muscarinic	J. Nathans	10:163-94
Acetylcholine Receptor Neuron Specific Enolase, a Clinically Useful Marker for Neurons and Neuroendocrine	N. M. Nathanson	10:195–236
Cells Molecular Mechanisms for Memory:	P. J. Marangos, D. E. Schmechel	10:269-95
Second-Messenger Induced Modifications of Protein Kinases in Nerve Cells	J. H. Schwartz, S. M. Greenberg	10:459-76
MOTOR SYSTEMS		
The GABAergic System: A Locus of Benzodiazepine Action The Primate Premotor Cortex: Past, Present,	J. F. Tallman, D. W. Gallager	8:21-44
and Preparatory Central Pattern Generators for Locomotion,	S. P. Wise	8:1-19
with Special Reference to Vertebrates Brainstern Control of Saccadic Eye	S. Grillner, P. Wallén	8:233-61
Movements	A. F. Fuchs, C. R. S. Kaneko, C.	0.207.27
On Reaching	A. Scudder A. P. Georgopoulos	8:307–37 9:147–70
MYELIN Linkage Between Axonal Ensheathment and Basal Lamina Production by		
Schwann Cells	R. P. Bunge, M. B. Bunge, C. F. Eldridge	9:305-28
NERVE IMPULSE AXONOLOGY An Integrated View of the Molecular Toxinology of Sodium Channel Gating in		
Excitable Cells	G. Strichartz, T. Rando, G. K. Wang	10:237–67

714 CHAPTER TITLES

NEUROENDOCRINOLOGY		
Gonadal Steroid Induction of Structural Sex		
Differences in the Central Nervous System	A. P. Arnold, R. A. Gorski	7:413-42
NEUROETHOLOGY		
Learning and Courtship in Drosophila: Two		
Stories with Mutants	W. G. Quinn, R. J. Greenspan	7:67-93
Birdsong: From Behavior to Neuron	M. Konishi	8:125-70
Vertebrate Neuroethology	D. Ingle, D. Crews	8:457-94
NEURONAL MEMBRANES		
Mobility and Localization of Proteins in		
Excitable Proteins	Mm. Poo	8:369-406
NEUROPEPTIDES		
Proteolysis in Neuropeptide Processing and		
Other Neural Functions	Y. P. Loh, M. J. Brownstein, H. Gainer	7:189-222
Endogenous Opioids: Biology and Function	H. Akil, S. J. Watson, E. Young,	
	M. E. Lewis, H. Khachaturian, J. M. Walker	7:223-55
Neuropeptide Function: The Invertebrate	J. IVI. TY MIRCI	1.223 33
Contribution	M. O'Shea, M. Schaffer	8:171-98
Neuropeptides in Identified Aplysia Neurons	RR. J. Kaldany, J. R. Nambu, R.	
Hybridization Approaches to the Study of	H. Scheller	8:431–55
Neuropeptides	J. P. Schwartz, E. Costa	9:277-304
Inactivation and Metabolism of Neuropeptides	J. F. McKelvy, S. Blumberg	9:415-34
NEURONAL PLASTICITY		
Intracerebral Neural Implants: Neuronal		
Replacement and Reconstruction of		
Damaged Circuitries	A. Björklund, U. Stenevi	7:279-308
NEUROSCIENCE TECHNIQUES		
Molecular Approaches to the Nervous System	R. D. G. McKay	6:527-46
Applications of Monoclonal Antibodies to		
Neuroscience Research	K. L. Valentino, J. Winter, L. F.	0 100 222
Real-Time Optical Mapping of Neuronal	Reichardt	8:199–232
Activity: From Single Growth Cones to the		
Intact Mammalian Brain	A. Grinvald	8:263-305
Neurotransmitter Receptor Mapping by		
Autoradiography and Other Methods	M. J. Kuhar, E. B. De Souza, J. R. Unnerstall	0.27 60
NMR Spectroscopy of Brain Metabolism In	Unnerstall	9:27-59
Vivo	J. W. Prichard, R. G. Shulman	9:61-85
OLFACTION/TASTE		
The Organization and Function of the		
Vomeronasal System	M. Halpern	10:325-401
Gustatory Neural Processing in the Hindbrain	J. B. Travers, S. P. Travers, R.	
	Norgren	10:595-632
PAIN		
Endogenous Pain Control Systems: Brainstem		
Spinal Pathways and Endorphin Circuitry	A. I. Basbaum, H. L. Fields	7:309–38
PREFATORY CHAPTER		
Nobel Laureates in Neuroscience: 1904-1981	H. H. Jasper, T. L. Sourkes	6:1-42
Downward Causation?	J. Szentágothai	7:1-11
Neuroscience: Beginnings and New Directions	D Cohomos	10.1 17
in Neuropeptide Research	B. Scharrer	10:1-17

Perspectives on the Discovery of Central Monoaminergic Neurotransmission	A. Carlsson	10:19-40
•	an Casasoos	10.12-40
SENSORY SYSTEM		
Insect Olfactory Receptors	KE. Kaissling	9:121-45
Vertebrate Olfactory Reception	D. Lancet	9:329-55
SOMATOSENSORY SYSTEM		
Morphology of Cutaneous Receptors	A. Iggo, K. H. Andres	5:1-31
Signaling of Kinesthetic Information by		
Peripheral Receptors	P. R. Burgess, J. Y. Wei, F. J.	
	Clark	5:171-87
Where Does Sherrington's Muscular Sense		
Originate? Muscles, Joints, Corollary		
Discharges?	P. B. C. Matthews	5:189-218
The Reorganization of the Somatosensory		
Cortex Following Peripheral Nerve Damage in Adult and Developing Mammals	I II Van M M Manadah	
in Adult and Developing Manunais	J. H. Kaas, M. M. Merzenich, H. P. Killackey	6.226 66
Spinal and Trigeminal Mechanisms of	H. F. Killackey	6:325-56
Nociception	R. Dubner, G. J. Bennett	6:381-418
	The Delivery Co. T. Delivery	0.501 410
SYNAPSES		
Calcium Action in Synaptic Transmitter		
Release	G. J. Augustine, M. P. Charlton, S.	
	J Smith	10:633-93
TRANSMITTER BIOCHEMISTRY		
Experimental Approaches to Understanding		
the Role of Protein Phosphorylation in the		
Regulation of Neuronal Function	M. B. Kennedy	6:493-525
Adenosine as a Neurotransmitter	S. H. Snyder	8:103-24
Histamine as a Neuroregulator	G. D. Prell, J. P. Green	9:209-54
The Molecular Neurobiology of the		
Acetylcholine Receptor	M. P. McCarthy, J. P. Earnest, E.	
Developmental Boundation of Minatinia	F. Young, S. Choe, R. M. Stroud	9:383-413
Developmental Regulation of Nicotinic Acetylcholine Receptors	S. M. Schuetze, L. W. Role	10-402 57
Acetylcholine Receptors	S. M. Schuetze, L. W. Role	10:403-57
VISION AND HEARING		
Computational Maps in the Brain	E. I. Knudsen, S. du Lac, S. D.	
	Esterly	10:41-65
THOUGHT OFFICE A		
VISUAL SYSTEM Microcircuitry of the Cat Retina	P. Sterling	6:149-85
Microcircuitry of the Visual Cortex	C. D. Gilbert	6:217-47
The Accessory Optic System	J. I. Simpson	7:13-41
Development of the Superior Colliculus	B. E. Stein	7:95-125
The Analysis of Stereopsis	G. F. Poggio, T. Poggio	7:379-412
Phototransduction in Vertebrate Rods	E. A. Schwartz	8:339-67
Spatial Frequency Analysis in the Visual		
System	R. Shapley, P. Lennie	8:547-83
Postnatal Development of Vision in Human		
and Nonhuman Primates	R. Boothe, V. Dobson, D. Teller	8:495-545
Stimulus-Specific Responses from Beyond the		
Classical Receptive Field:		
Neurophysiological Mechanisms for		
Local-Global Comparisons in Visual	I Allman E Mii- E	
Neurons	J. Allman, F. Miezin, E. McGuinness	9.407 20
Interactions Between Retinal Ganglion Cells	McGuinness	8:407-30
During the Development of the Mammalian		
Visual System	C. J. Shatz, D. W. Sretevan	9:171-207
		2 201

716 CHAPTER TITLES

The Cyclic GMP Cascade of Vision L. Stryer 9:87-119 Visual Motion Processing and Sensory-Motor Integration for Smooth Pursuit Eye S. G. Lisberger, E. J. Morris, L. Movements 10:97-129 Tychsen Molecular Biology of Visual Pigments Visual Processing in Monkey Extrastriate J. Nathans 10:163-94 J. H. R. Maunsell, W. T. Newsome 10:363-401 The Analysis of Visual Motion: From Computational Theory to Neuronal E. C. Hildreth, C. Koch 10:477-533 Mechanisms

